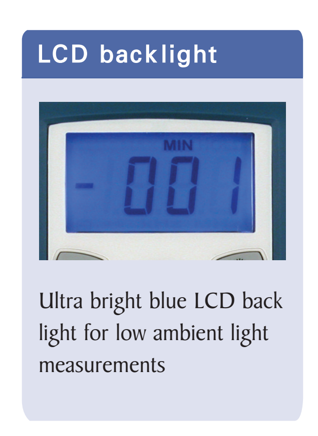
Data Sheet

Manual Ranging Tool Kit® DMM with Temperature

Model 2706B



LCD backlight



Ultra bright blue LCD back light for low ambient light measurements

The 2706B is a versatile manual-ranging DMM with temperature measurement. The 2000 count LCD has a bright blue back light that allows the meter to be used in dimly lit environments. With the auto-power-off feature you won't have to worry about accidental battery consumption. Value-packed features make this meter a must in every "Tool Kit®".

Features

- Auto power off
- DC voltage to 1000 V
- Resistance to 20 MΩ
- One-handed operation
- Magnetic hanger
- Bright blue LCD backlight
- AC voltage to 750 V
- Capacitance to 20 mF
- Continuity test
- Diode test

Specifications

Specifications	model 2706B
DC Volts	
Ranges	200 mV, 2000 mV, 20 V, 200 V 1000 V
Resolution	0.1 mV, 1 mV, 10 mV, 100 mV, 1 V
Accuracy	±(0.5 % rdg + 1 dgts)
Input Impedance	10 MΩ
Overload Protection	1000 VDC or 750 VACrms*
AC Volts (50 Hz-500 Hz)	
Ranges	200 mV, 2000 mV, 20 V, 200 V 750 V
Resolution	0.1 mV, 1 mV, 10 mV, 100 mV, 1 V
Accuracy	200 mV & 20 V ranges: ±(1.2 % rdg + 5 dgts) 200 V & 750 V ranges: ±(2.0 % rdg + 5 dgts)
Input Impedance	10 MΩ
Overload Protection	1000 VDC or 750 VACrms*
DC Current	
Ranges	200 uA, 20 mA, 200 mA
Resolution	0.1 uA, 10 uA, 100 uA
Accuracy	±(1.0% rdg + 1 dgts)
Input Protection	0.25 A/500 V fast blow ceramic fuse
AC Current (50 Hz-500 Hz)	
Ranges	200 uA, 20 mA, 200 mA
Resolution	0.1 uA, 10 uA, 100 uA
Accuracy	±(1.5% rdg + 5 dgts)
Input Protection	0.25 A/500 V fast blow ceramic fuse
Resistance	
Ranges	200 Ω, 2 kΩ, 200 kΩ, 20 MΩ
Resolution	0.1 Ω, 1.0 Ω, 100 Ω, 10 kΩ,
Accuracy	200 Ω to 200 kΩ ranges: ±(1.0 % rdg + 4 dgts) 20MΩ range: ±(2.0 % rdg + 4 dgts)
Open Circuit Voltage (typical)	0.3 VDC (3.0 VDC on 200 Ω)
Overload Protection	500 VDC/ACrms
Capacitance	
Ranges	200 uF, 2 mF, 20 mF
Resolution	0.1 uF, 1.0 uF, 10 uF
Accuracy	±(4 % rdg + 10 dgts)
Overload Protection	0.25 A/500 V fast blow ceramic fuse
Frequency	
Ranges	10 Hz to 40 kHz
Resolution	1 Hz
Accuracy	±(0.1 % rdg + 3 dgts)
Sensitivity	3.5 Vrms minimum
Overload Protection	500 VDC/AC rms
Diode Test	
Test Current	1.0 mA (typical)
Resolution	10 mV
Accuracy	±(1.5 % rdg + 3 dgts)
Open Circuit Voltage	3.0 VDC (typical)
Overload Protection	500 VDC/ACrms
Continuity	
Audible Indication	Less than 100 Ω
Response Time	100 ms
Overload Protection	500 VDC/ACrms
Temperature	
Ranges	-35ºC to 750ºC, -30ºF to 1400ºF
Resolution	0.1ºC, 0.1ºF
Accuracy	0ºC to 400ºC ±(1.0 % rdg + 1ºC) -35ºC to 0ºC, 400ºC to 750ºC ±(3.0 % rdg + 3ºC) -4ºF to 750ºF ±(1.0 % rdg + 2ºF) -30ºF to -4ºF, 750ºF to 1400ºF ±(3.0 % rdg + 6ºF)
Sensor Type	K-type thermocouple
Overload Protection	60 VDC or 30 VACrms
General	
Display	3 1/2 digit, 2000 count LCD
Polarity	Automatic, positive implied, negative polarity indication
Overrange	OL or -OL is displayed
Low Battery Indication	Battery symbol will display when battery voltage drops below operating levels
Measurement Rate	2.5 times per second
Auto Power Off	Approximately 25 minutes
Operating Environment	0ºC to 50ºC at <70 % relative humidity
Storage Environment	-20ºC to 60ºC at 0 to 80 % relative humidity
Accuracies	Stated accuracy at 23ºC +5ºC at <75 % relative humidity
Temperature Coefficient	0.1 x (specified accuracy) per ºC. (ºC to 18ºC, 28ºC to 50ºC)
Power	Single standard 9 volt battery, NEDA 1604, JIS 006P, IEC 6F22
Battery Life	150 hours typical
Dimensions	165 mm (H) x 78 mm (W) x 42.5 mm (D)
Weight	Approximately 10 oz. (285 g) with battery and hanger

Three-Year Warranty

Supplied Accessories: User manual, one set of test leads, one spare fuse, 9V battery (installed), and one K-type thermocouple

*= 600 VDC/Acrms for 15 seconds on 200 mV range



B&K Precision's 2700 Tool Kit® Series

Models 2703C, 2704C, 2705B, 2706B, 2707B, 2708B, 2709B & 2712

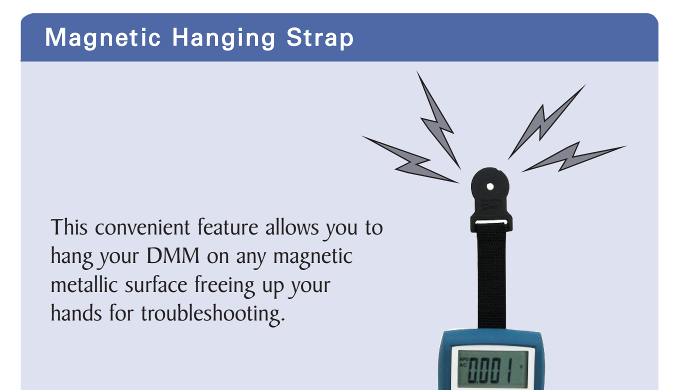
These excellent meters are for most jobs that require flexibility, accuracy and speed. Value-packed features make these meters a must for everyone's "Tool Kit®".



Common Features:

- DC Voltage to 1000V
- AC Voltage to 750V
- DC Current to 10A
- Continuity test
- Diode test
- Drop resistant case
- Magnetic hanging strap

Magnetic Hanging Strap



This convenient feature allows you to hang your DMM on any magnetic metallic surface freeing up your hands for troubleshooting.

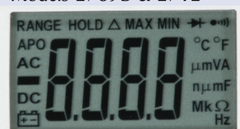
Back Light / Easy-to-Read LCD

Model 2706B



Ultra-bright blue LCD back light for low ambient light measurements

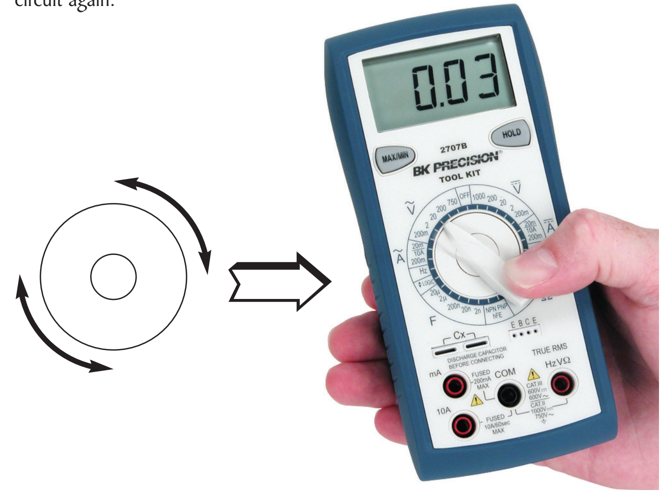
Models 2709B & 2712



Large easy-to-read LCD with green LED backlight

Single-handed operation

The ergonomic design allows both left and right handed users to rotate the knob while holding the meter in one hand. While one hand keeps the probe on the circuit, the other hand changes the meter's function. This speeds up troubleshooting because you don't have to locate the probe point in the circuit again.



Features

models	2712	2709B	2708B	2707B	2706B	2705B	2704C	2703C
Ranging	Auto/Manual	Auto/Manual	Auto/Manual	Manual	Manual	Auto/Manual	Manual	Manual
True RMS	AC + DC	√	√	√	-	-	-	-
Current	10 A AC/DC	10 A AC/DC	10 A AC/DC	10 A AC/DC	200 mA AC/DC	10 A AC/DC	10 A AC/DC	10 A DC
Capacitance	to 40 uF	to 66 mF	-	to 20 uF	to 20 mF	-	to 20 uF	-
Transistor Test	-	-	-	√	-	-	√	-
Frequency Counter	to 500 kHz	to 66 MHz	-	to 20 MHz	to 40 kHz	-	to 20 MHz	-
Temperature	-	-	-	-	√	-	-	-
Logic Probe	-	-	-	√	-	-	√	-
Backlight LCD	√	√	-	-	√	-	-	-
Analog Bar Graph	√	-	√	-	-	-	-	-
Battery Test	-	-	-	-	-	-	-	√
Auto Power off	√	√	√	-	√	√	-	-